



# FEMA



Prepared by  
*Brian Hoeth/Todd Beal*

# FEMA Region 6 Weather Threat Briefing

Saturday, July 13, 2019

**Disclaimer:** The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh).

# Summary of the Upcoming Week



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## Today and Sunday

- **TS Barry** generating (wind, surge, heavy rain, isolated tornadoes) impacts across **LA**.
- **Moderate to high risk of excessive rainfall/flooding today across LA and moderate risk Sunday across LA/AR.**
- **Hurricane and Tropical Storm Warnings with Storm Surge Warning are posted for LA.**

## Monday through Wednesday

- **Threat of heavy rainfall and isolated severe storms continues Monday across E AR.**

## Tropical Weather Outlook

- **Tropical Storm Barry making landfall today on the LA Coast.**
- **Another area of disturbance in the Atlantic has a 10% chance of development over the next 5 days.**

# FEMA Region 6 Threat Matrix

July 13, 2019 – July 17, 2019



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DAY / THREAT	SAT	SUN	MON	TUE	WED
Severe Storms	LA	LA/AR	AR		
Heavy Rain / Flash Flooding	LA	LA/AR	E AR		
Fire Weather					
Tropical Weather	LA				
River Flooding	SE LA	SE LA	SE LA	SE LA	SE LA

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.\**

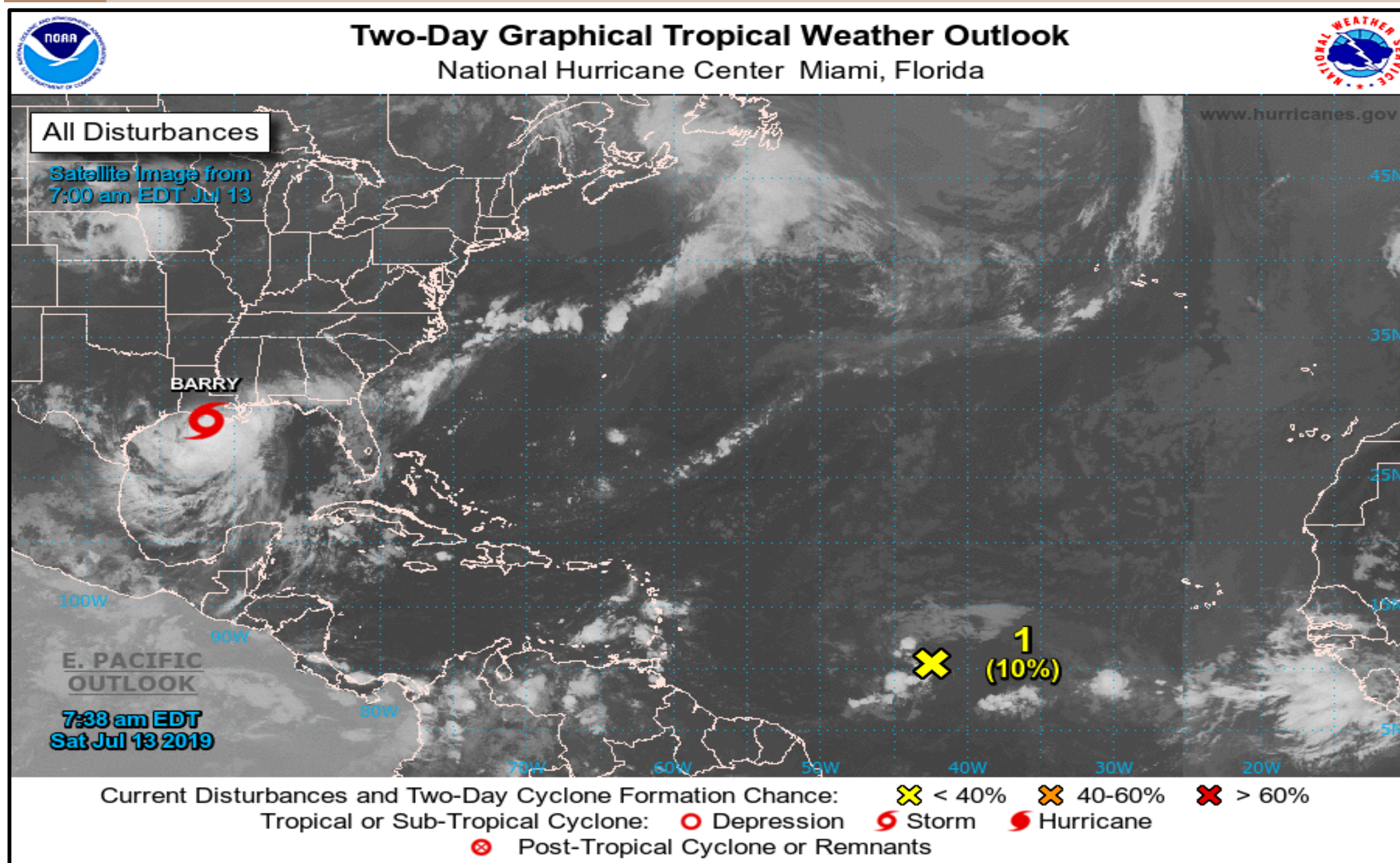
*For more details on the colors in the threat matrix refer to the last slide in this briefing.*



# Tropical Weather Outlook – Atlantic/Gulf

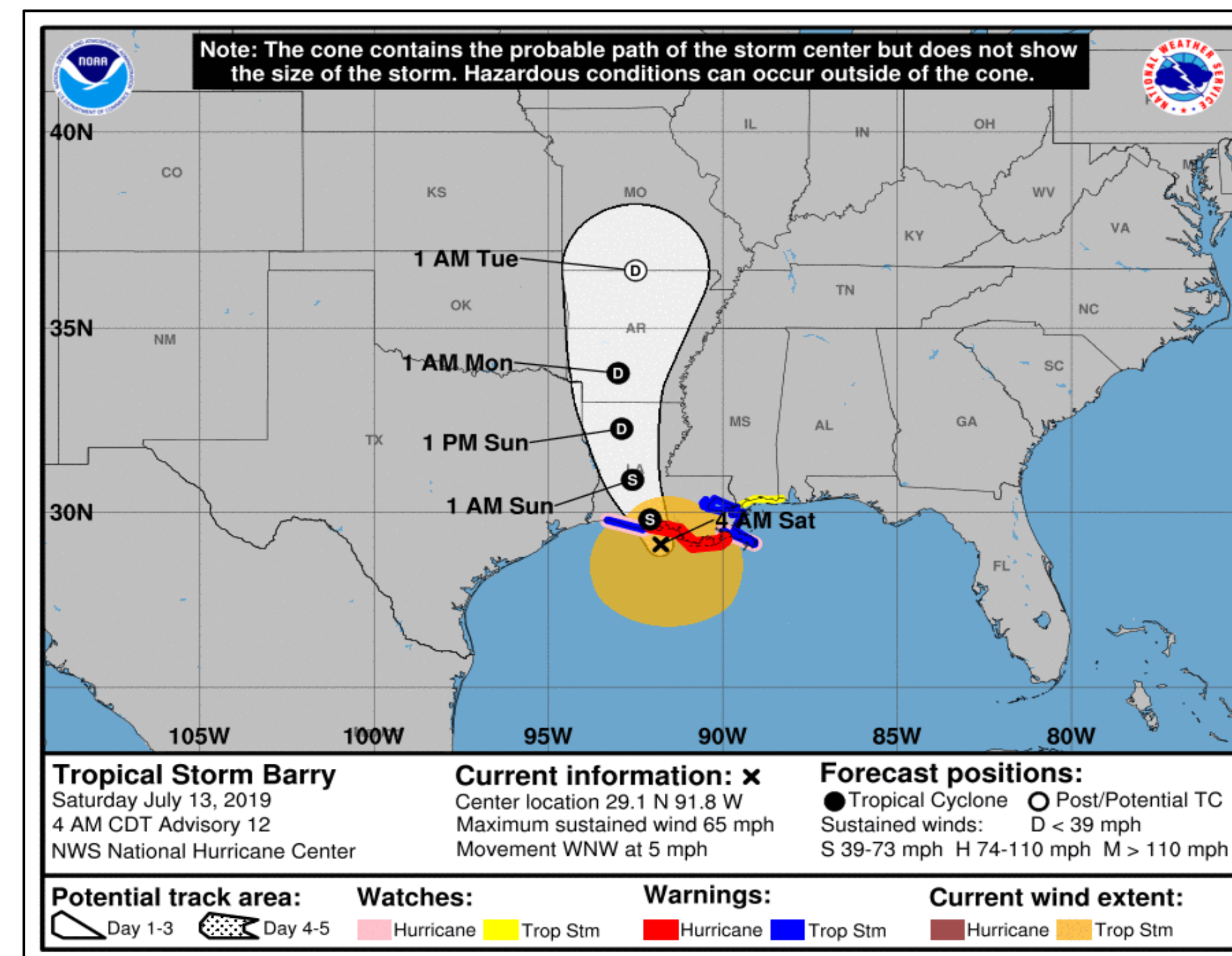


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**Tropical Storm Barry**  
**Tropical Storm Barry is located near the coast of LA.**  
**Barry is expected to move inland today.**

**A tropical wave in the Atlantic will move westward over the next few days and has a low chance (10%) of developing into a tropical cyclone. No immediate impacts to FEMA 6. Will continue to monitor**





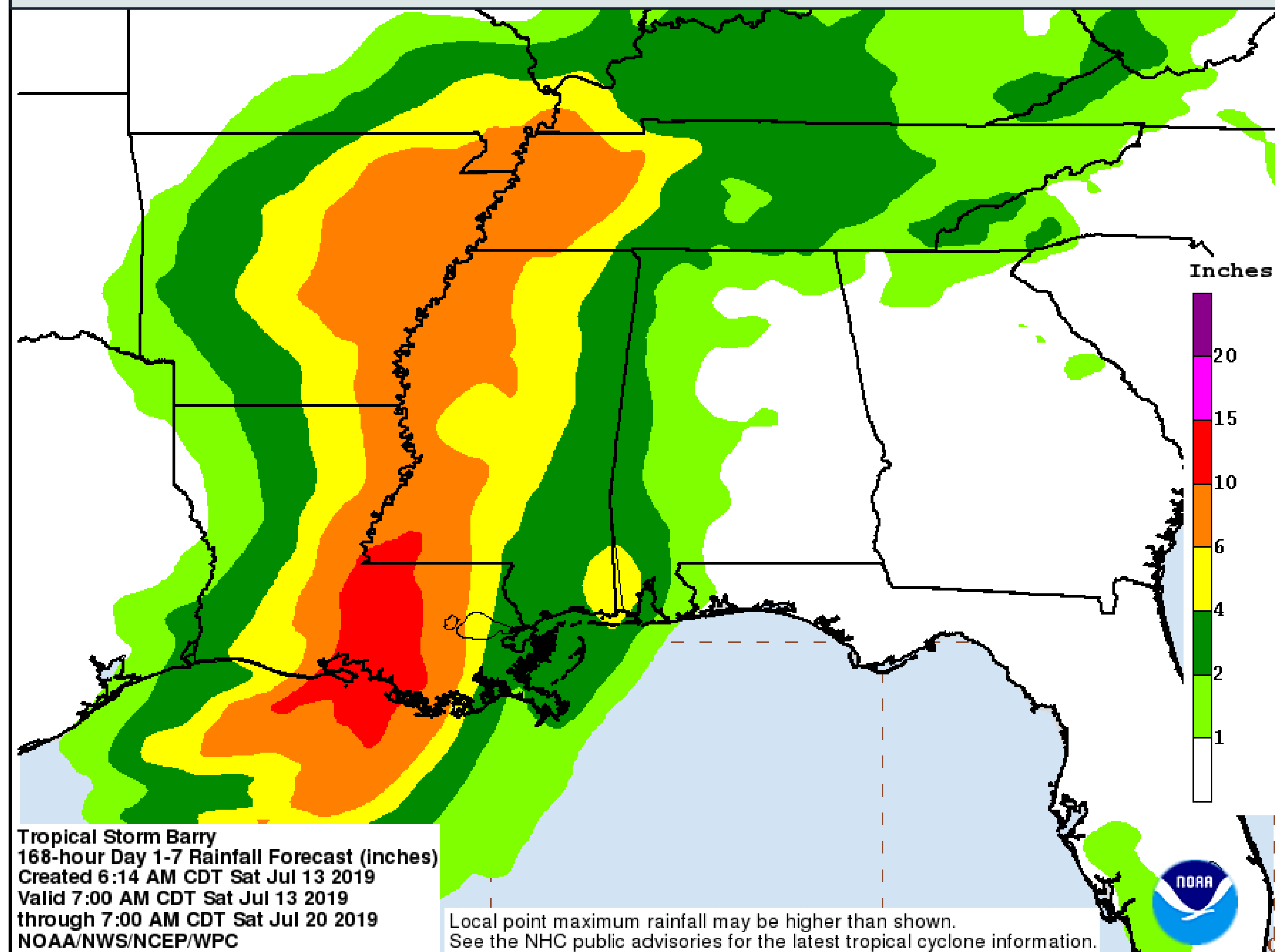
# Expected Storm Total Rainfall

Tropical Storm Barry



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**Note:** There will likely be locally higher amounts



- Storm Total rainfall forecast valid this morning through next Saturday morning
- Most rain will occur today and tomorrow

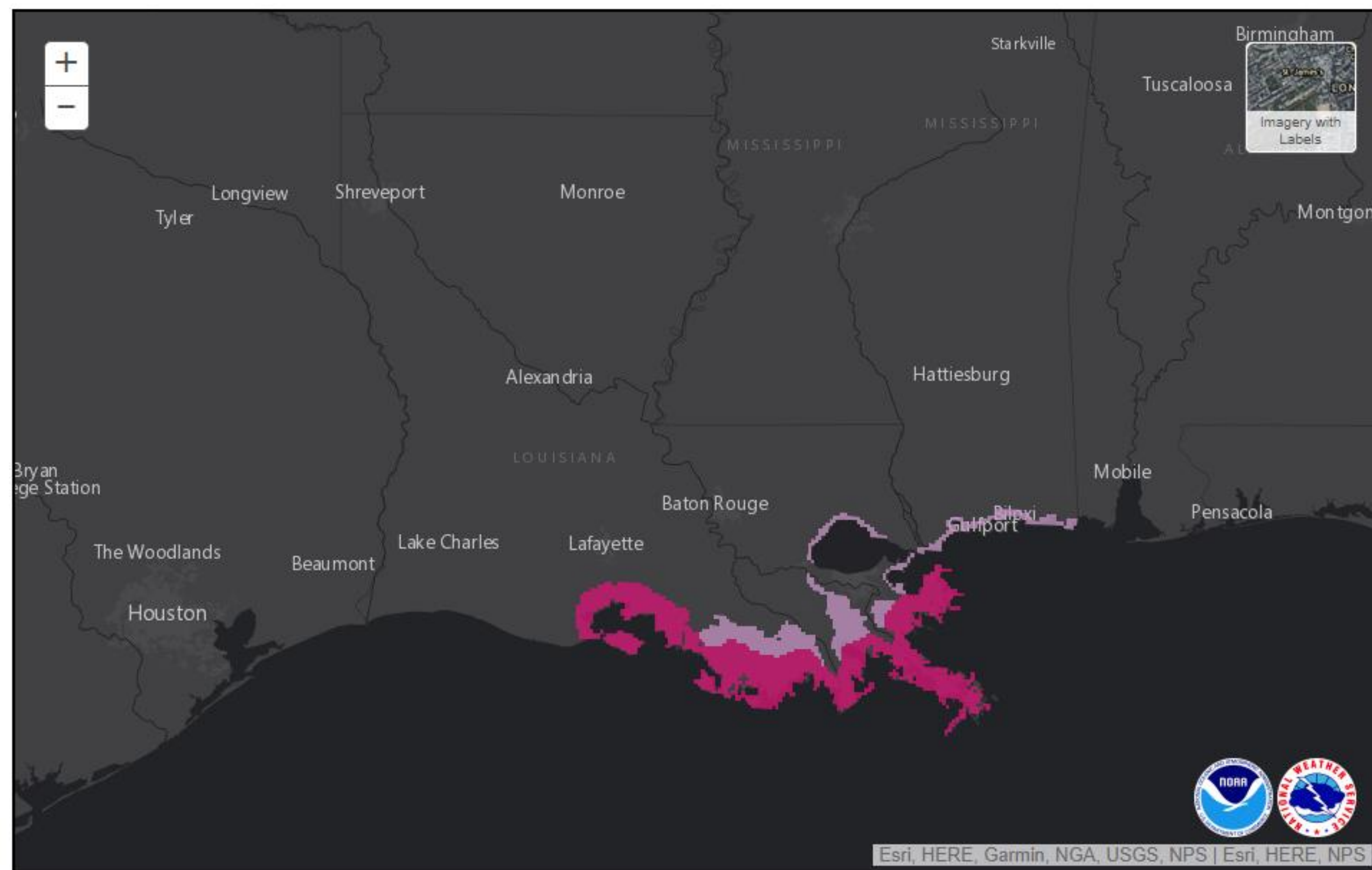
# Storm Surge Watch

## Tropical Storm Barry



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Tropical Storm Barry  
Advisory 008 Issued: 4:00 AM CDT Fri Jul 12



- Storm surge warning remains in effect for south-central into southeast LA.
- Possibility of life-threatening inundation from storm surge somewhere in the specified area within 48 hours.

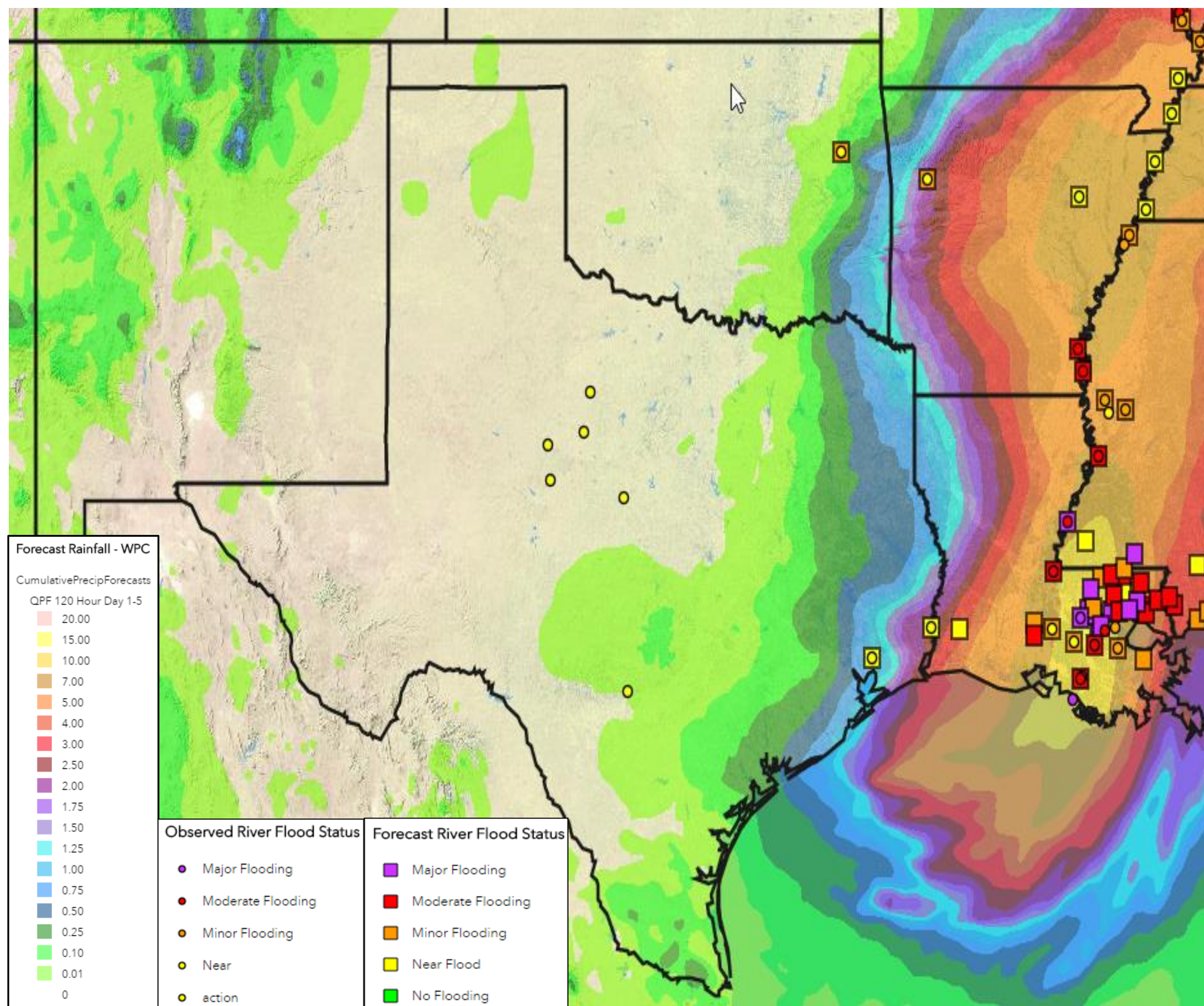


# 5-Day Precipitation Forecast & River Flood Status



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*Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall*



- **Forecast for New Orleans – Revised to 17 feet (minor flood)**
- **Baton Rouge: Will remain in major flood, but will rise to around 43 feet on Sunday. Impacts are primarily to river traffic and industrial activity.**
  - **Bonnet Carre continues to operate.**
- *Several area rivers forecast to experience moderate to major flooding. River forecasts are highly dependent on where the heaviest rain falls. If heaviest rainfall shifts even 15-20 miles in either direction, it could fall in different basins causing the river forecasts to change. Be sure to pay attention to river forecast updates for any changes.*



# Today's Weather



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## Forecast Chart

## Forecast Rainfall

**Wind and surge threats peak today across S LA**

**Heavy rainfall and flash flooding over LA**

**Slight risk of severe storms with isolated tornadoes over SE LA.**

## Severe Weather Outlook

## Excessive Rainfall Outlook

Saturday, July 13, 2019

### Rainfall Outlook

13 14  
13 2019  
Jul 13 2019  
ARD  
/WPC

Risk of rainfall exceeding flash flood guidance within 25 miles of a point

**HIGH: > 50%**

**SLGHT: 10%-20%**

**MDT: 20%-50%**

**MRGL: 5%-10%**

[www.weather.gov/srh](http://www.weather.gov/srh)

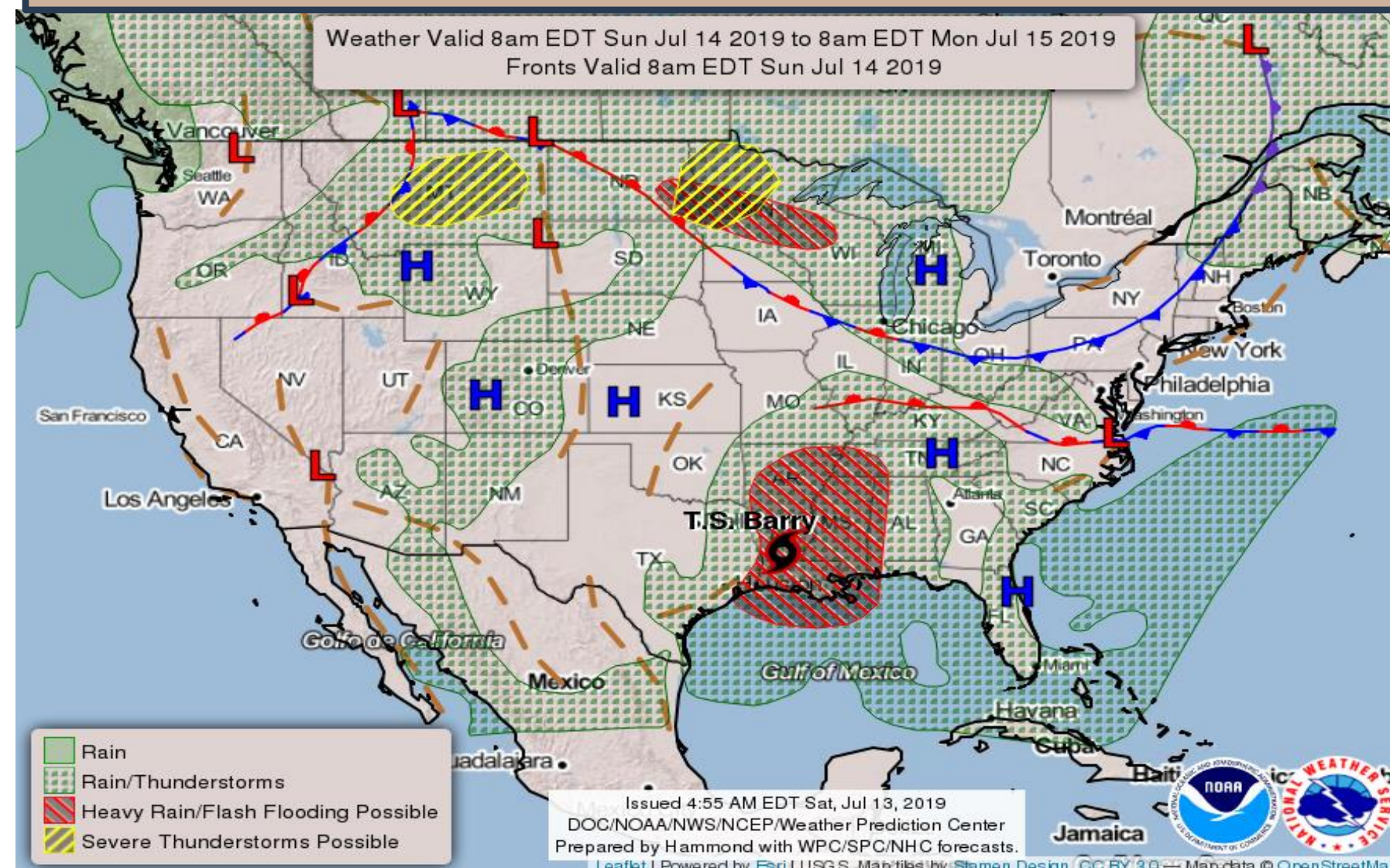


# Tomorrow's Weather

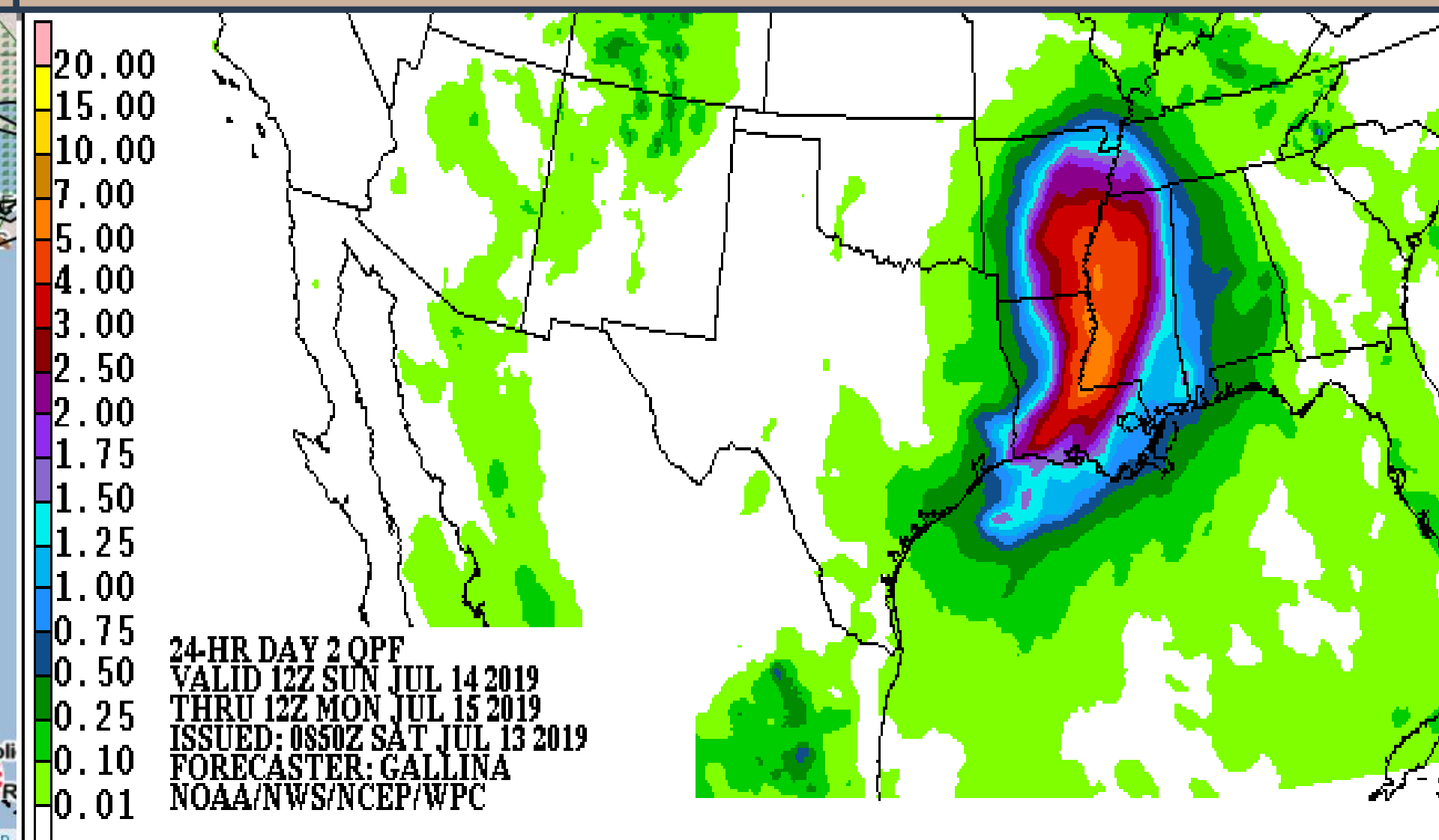


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## Forecast Chart



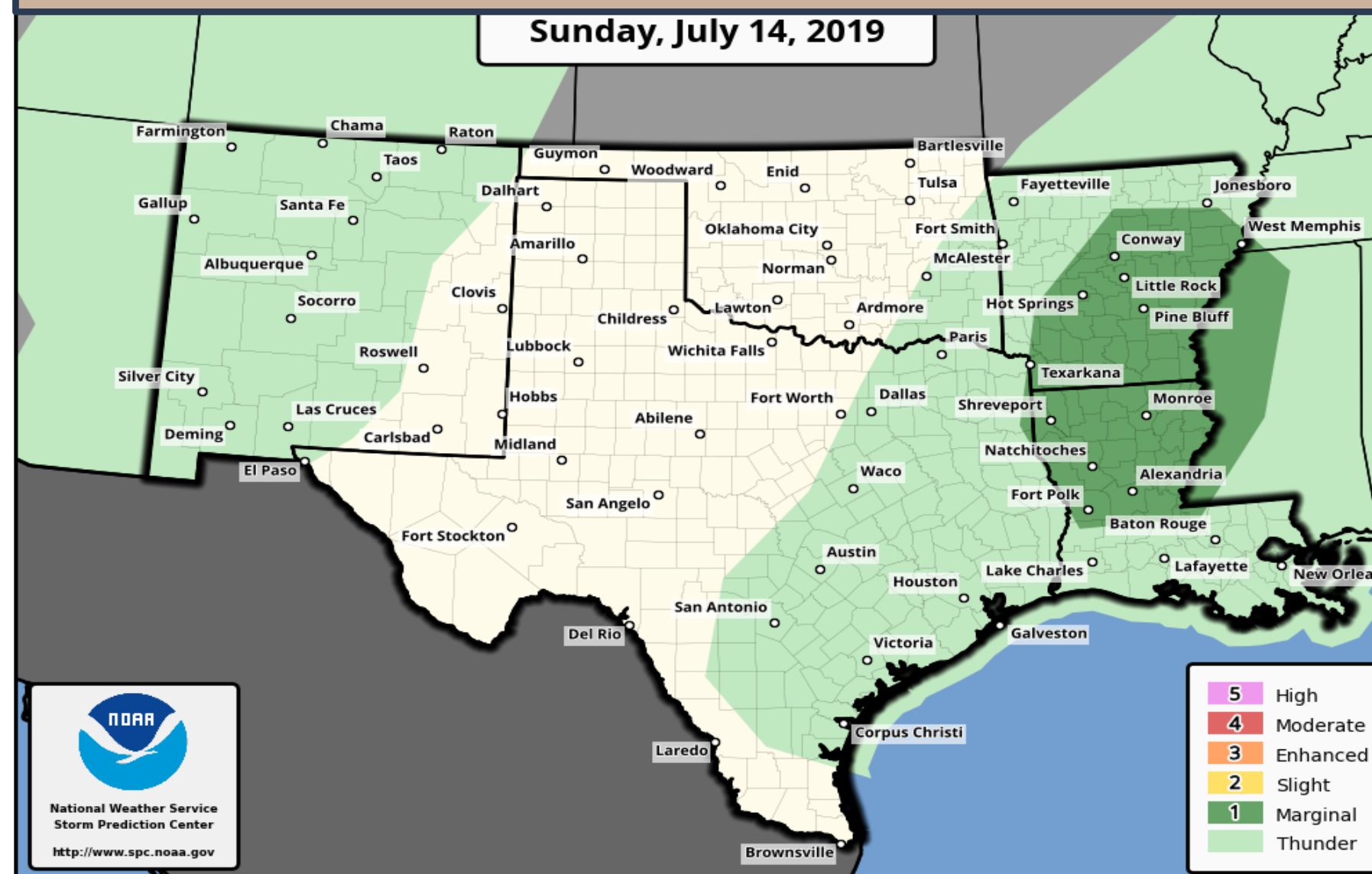
## Forecast Rainfall



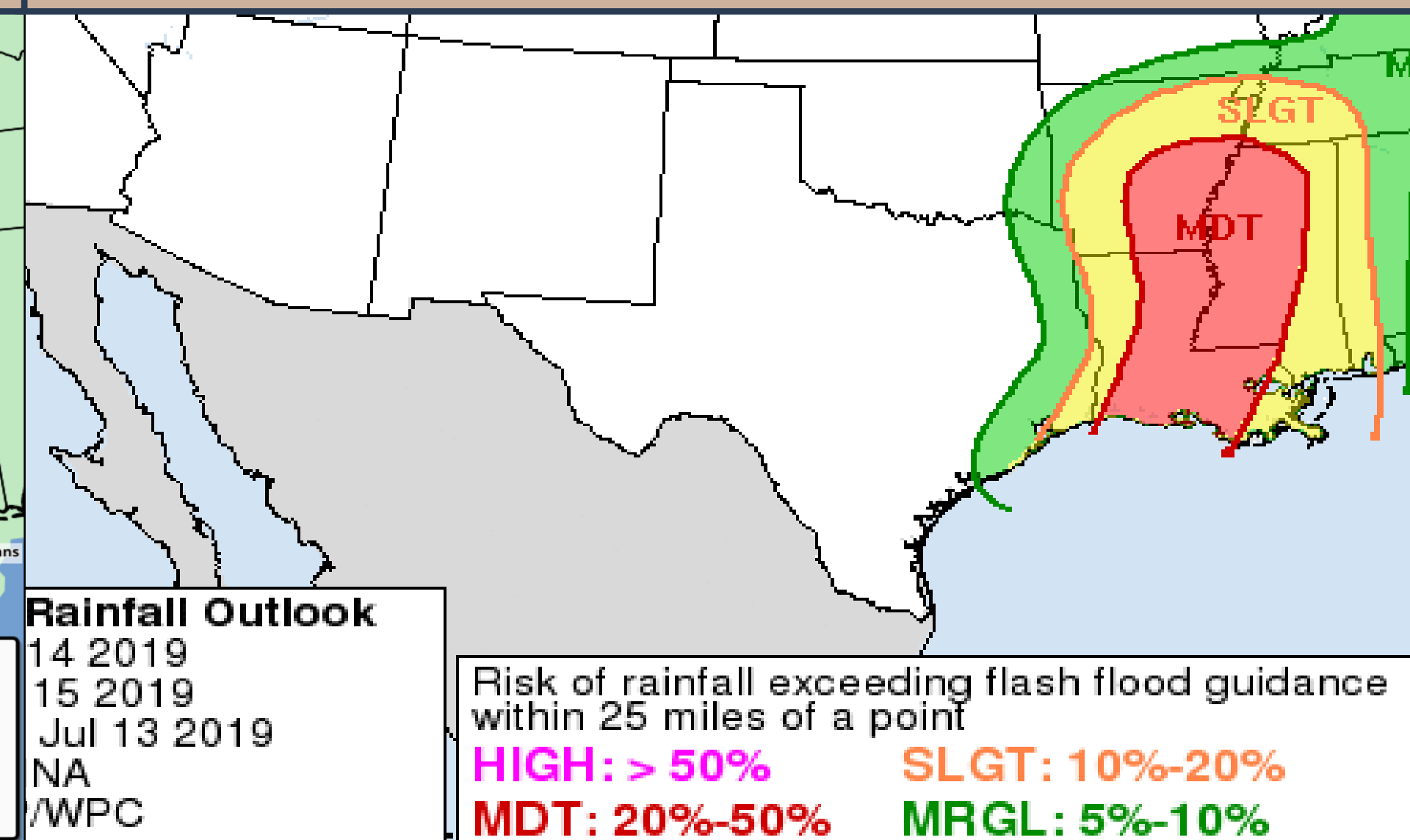
**Slight to Moderate risk of heavy rainfall and flash flooding over LA and AR**

**Isolated risk of strong/severe storms over LA and AR**

## Severe Weather Outlook



## Excessive Rainfall Outlook





# Monday's Weather



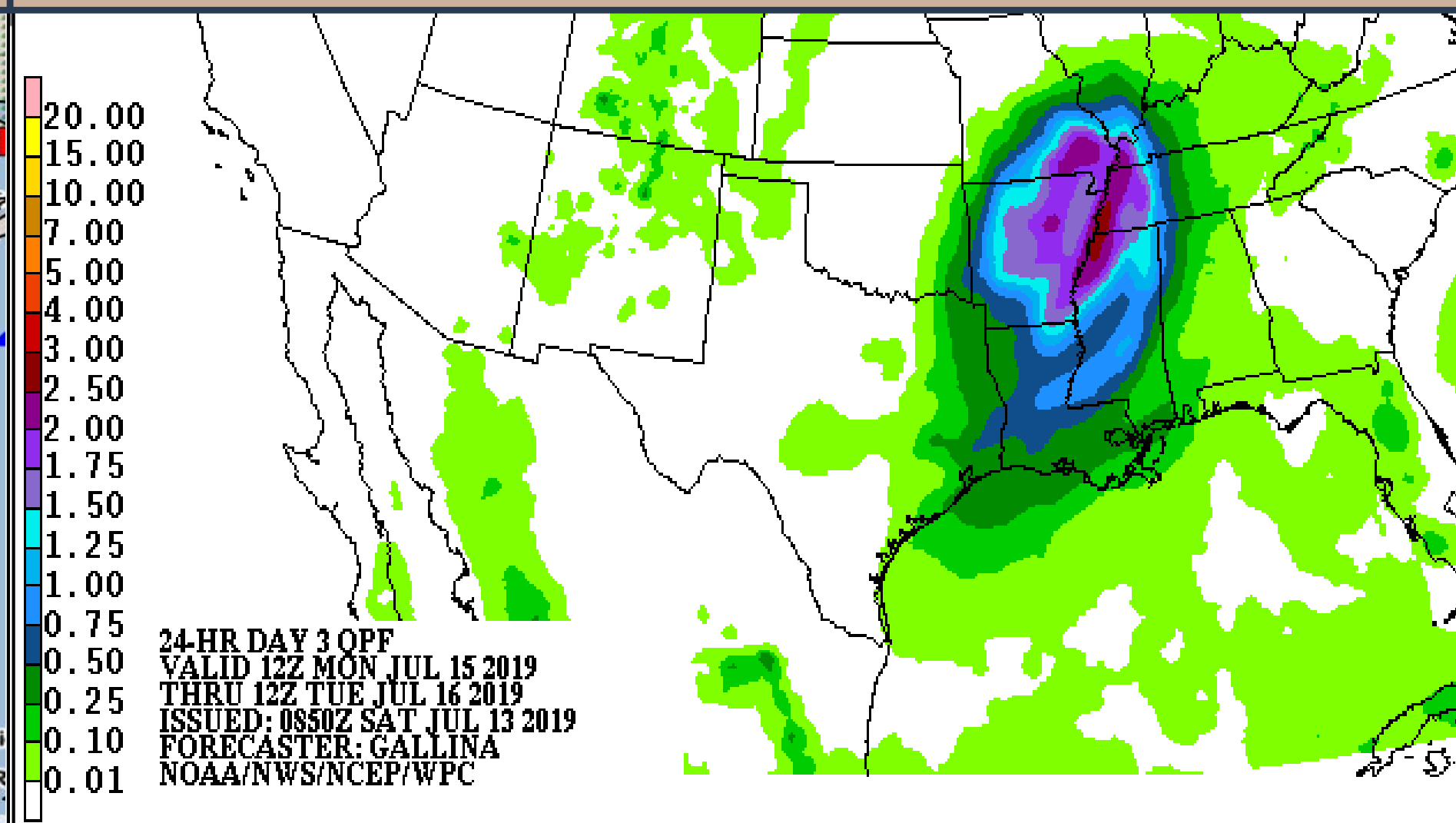
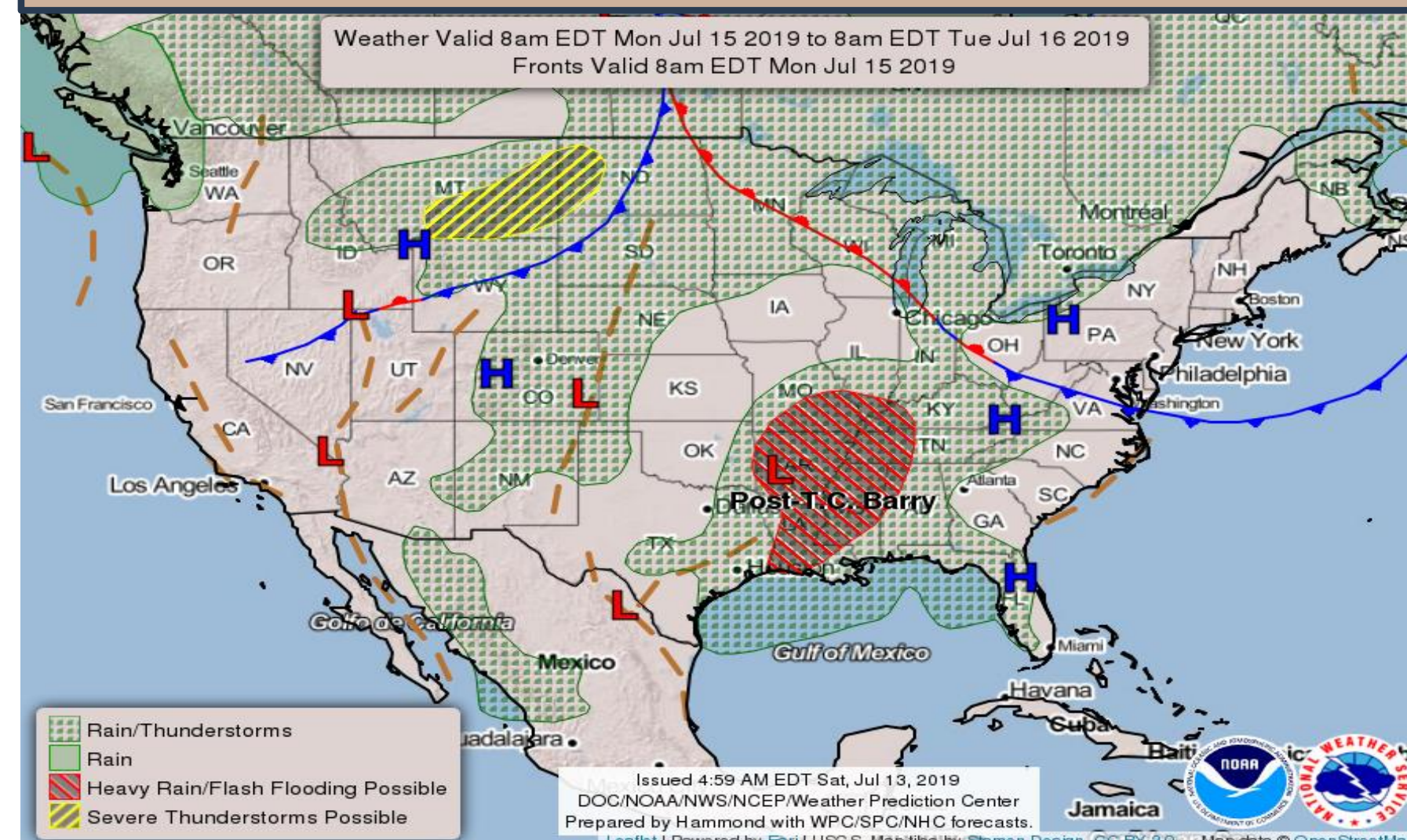
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## Forecast Chart

## Forecast Rainfall

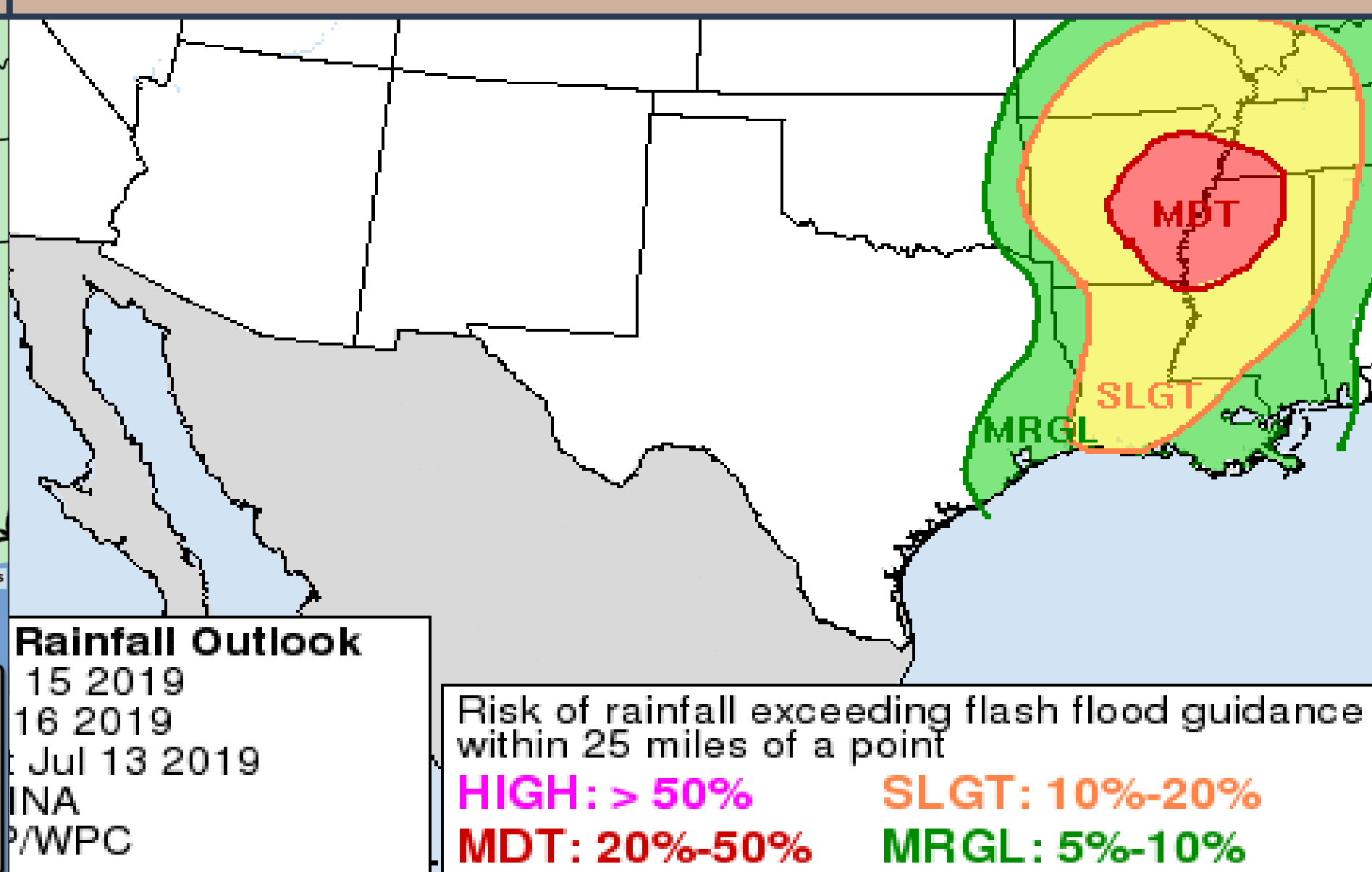
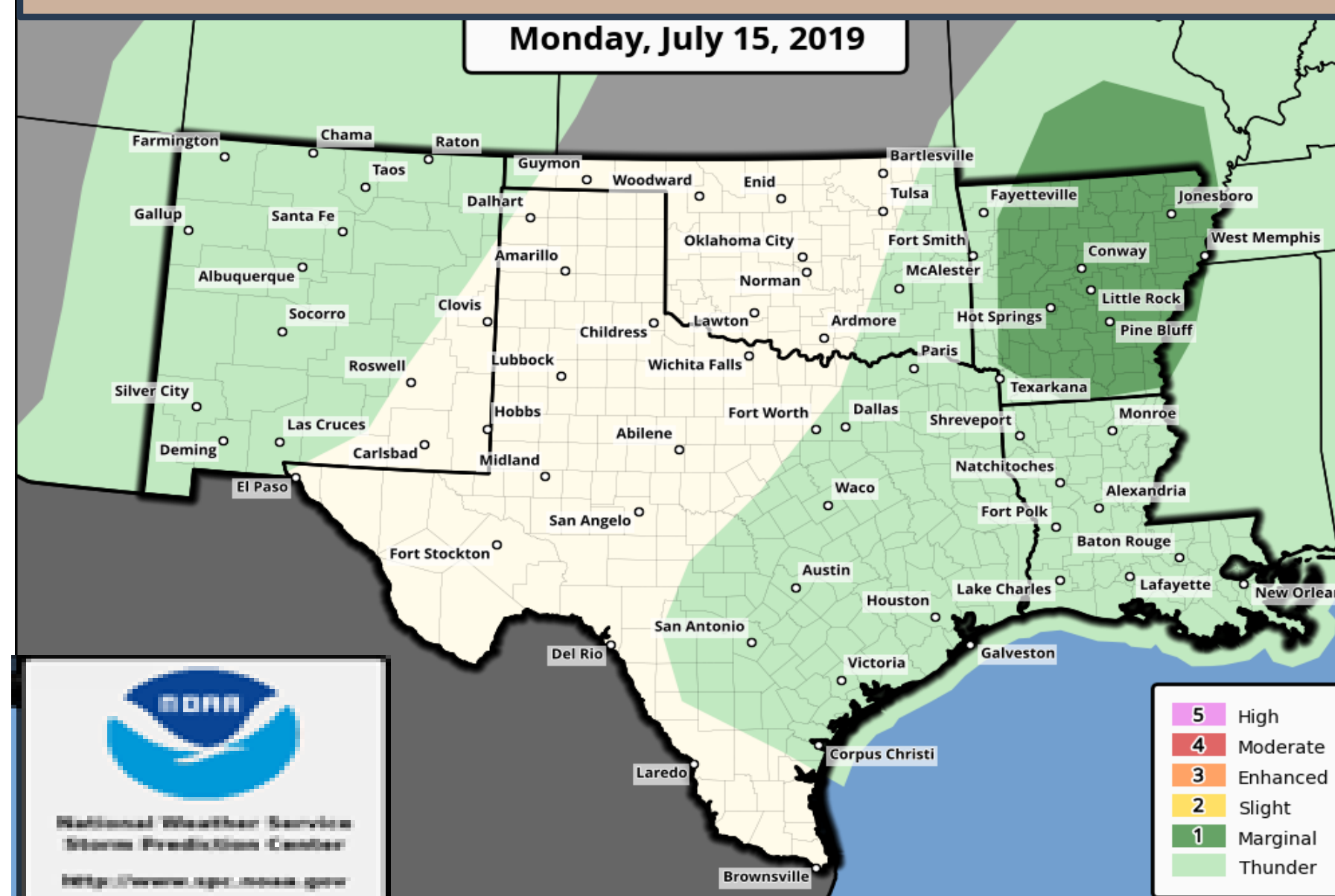
**Heavy rainfall/flash  
flooding for E AR**

**Isolated threat of severe  
storms across AR**



## Severe Weather Outlook

## Excessive Rainfall Outlook



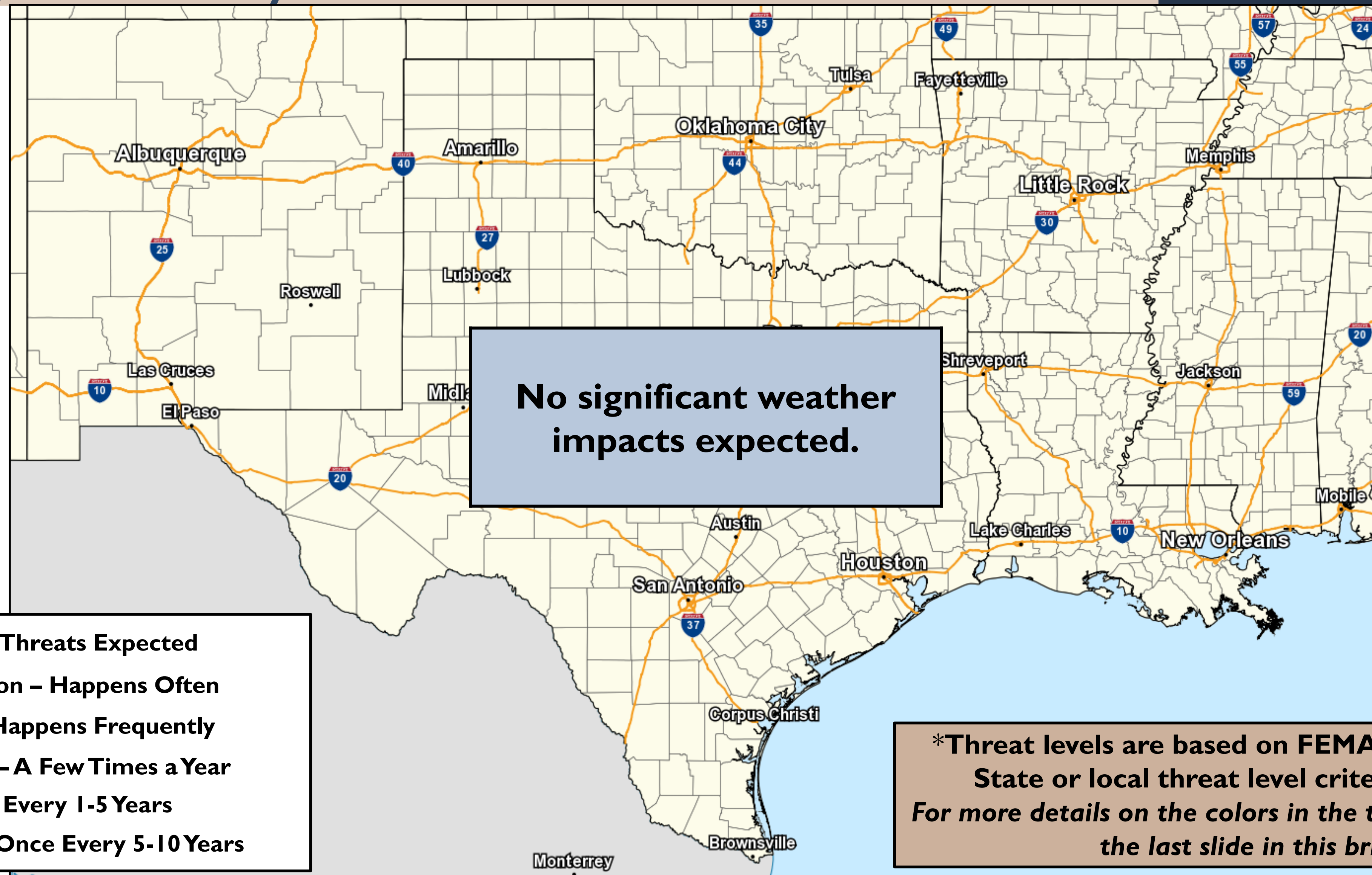


# Days 4-5 Weather Hazards

Tuesday – Wednesday



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- No Weather Threats Expected
- Very Common – Happens Often
- Common – Happens Frequently
- Uncommon – A Few Times a Year
- Rare – Once Every 1-5 Years
- Very Rare – Once Every 5-10 Years

**\*Threat levels are based on FEMA Region 6 criteria.  
State or local threat level criteria may differ.\***  
*For more details on the colors in the threat matrix refer to the last slide in this briefing.*

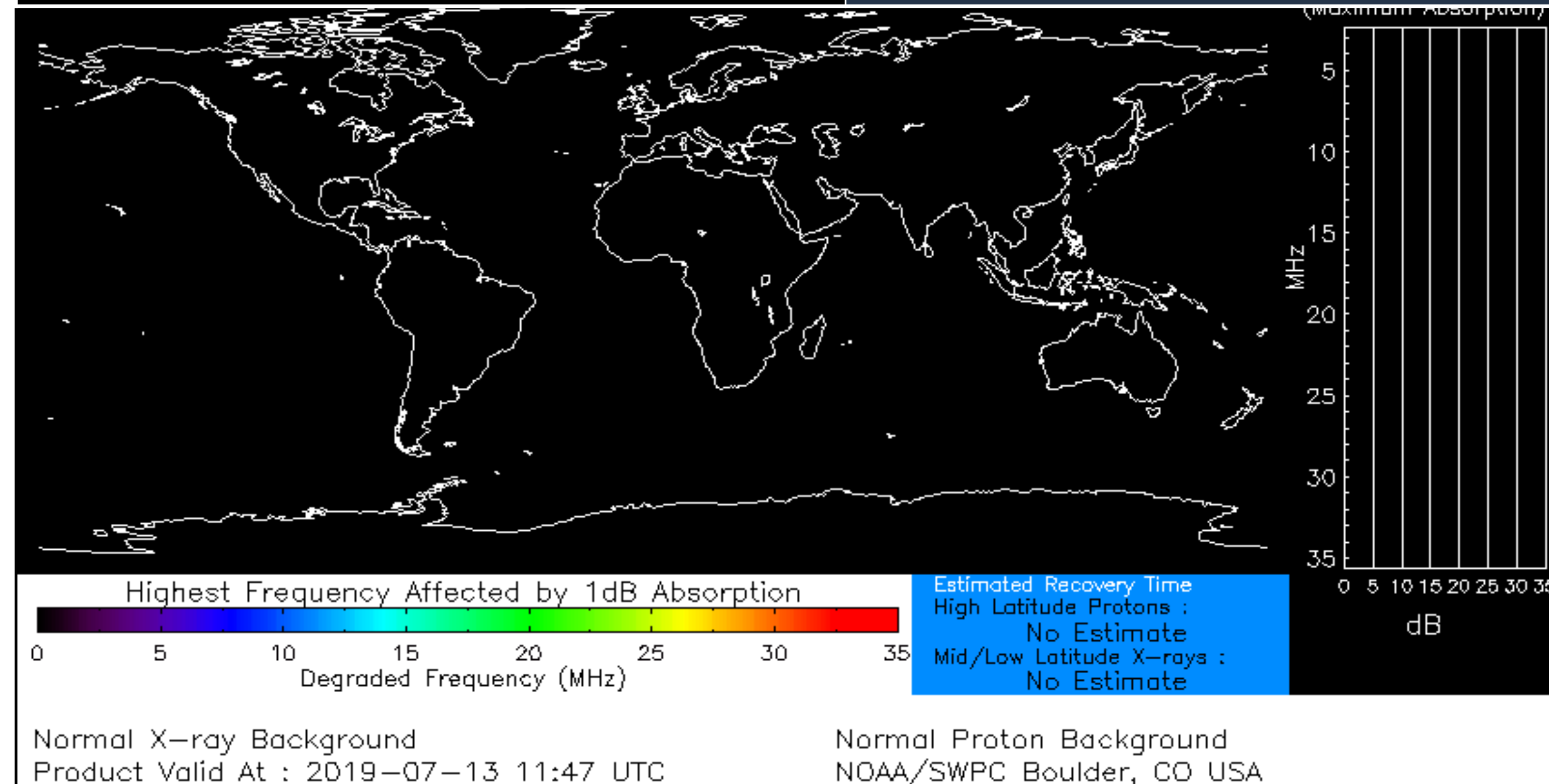


# Space Weather 3-Day Forecast



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	Saturday	Sunday	Monday
<b>Geomagnetic Storms</b>	<b>Quiet (Max Kp = 2)</b>	<b>Quiet (Max Kp = 2)</b>	<b>Unsettled to Active (Max Kp = 4)</b>
<b>Solar Radiation Storm (S1-S5)</b>	1%	1%	1%
<b>Radio Blackout (R1-R2)</b>	1%	1%	1%
<b>Radio Blackout (R3-R5)</b>	1%	1%	1%



[Click here for a  
Description of the Space  
Weather Storm Scales](#)

[Click here for the Latest  
3-Day Space Weather  
Forecast Text](#)







# For more information, please contact:

**National Weather Service**  
Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX

Phone: (682) 703-3747

E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)

Web: <http://www.weather.gov/srh>





Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

**Criteria for the color codes in this briefing is to the left, please provide any feedback to**

**[sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**